

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	24485	("400" or "405" or 405nm or "450" or "390" or "380" or "410" or "420" or "430" or "440" or blue or violet or (short near3 wavelength\$2)) near5 (laser\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 09:47
L2	36042	("400" or "405" or 405nm or "450" or "390" or "380" or "410" or "420" or "430" or "440" or blue or violet or (short near3 wavelength\$2)) with (laser\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 09:48
L3	441754	((optical or laser or information) near5 (medium or media or disk\$1 or disk\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 09:49
L4	4359	I2 same I3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 09:49
L5	24181	((("400" or "405" or 405nm or "450" or "390" or "380" or "410" or "420" or "430" or "440") near5 nm) or blue or violet or (short near3 wavelength\$2)) with (laser\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 09:49
L6	4359	I4 same I3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 09:49
L7	2936	I6 and I3.ab.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 09:49
L8	243	(trimethine or styryl or hemicyanine) same I3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 10:00
L9	61	I6 and I8	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 10:01
L10	723	(azo or azoic) same I3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 10:01

L11	153	I6 and I10	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 10:01
L12	91	I11 and @ad<"20020814"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 10:02

\$%^STN;HighlightOn= ***;HighlightOff=*** ;

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal756mja

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS	4	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	5	MAR 02	GBFULL: New full-text patent database on STN
NEWS	6	MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	7	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	8	MAR 22	KOREAPAT now updated monthly; patent information enhanced
NEWS	9	MAR 22	Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS	10	MAR 22	PATDPASPC - New patent database available
NEWS	11	MAR 22	REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS	12	APR 04	EPFULL enhanced with additional patent information and new fields
NEWS	13	APR 04	EMBASE - Database reloaded and enhanced
NEWS	14	APR 18	New CAS Information Use Policies available online
NEWS	15	APR 25	Patent searching, including current-awareness alerts (SDIs), based on application date in CA/Caplus and USPATFULL/USPAT2 may be affected by a change in filing date for U.S. applications.
NEWS	16	APR 28	Improved searching of U.S. Patent Classifications for U.S. patent records in CA/Caplus
NEWS	17	MAY 23	GBFULL enhanced with patent drawing images
NEWS	18	MAY 23	REGISTRY has been enhanced with source information from CHEMCATS
NEWS	19	JUN 06	The Analysis Edition of STN Express with Discover! (Version 8.0 for Windows) now available
NEWS	20	JUN 13	RUSSIAPAT: New full-text patent database on STN
NEWS	21	JUN 13	FRFULL enhanced with patent drawing images
NEWS	22	JUN 27	MARPAT displays enhanced with expanded G-group definitions and text labels
NEWS	23	JUL 01	MEDICONF removed from STN
NEWS	24	JUL 07	STN Patent Forums to be held in July 2005
NEWS	25	JUL 13	SCISEARCH reloaded
NEWS	26	JUL 20	Powerful new interactive analysis and visualization software, STN AnaVist, now available
NEWS EXPRESS			JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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***** STN Columbus *****

FILE 'HOME' ENTERED AT 10:45:08 ON 11 AUG 2005

=> FIL STNGUIDE

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'STNGUIDE' ENTERED AT 10:45:14 ON 11 AUG 2005

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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Aug 5, 2005 (20050805/UP).

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.06

0.27

FILE 'CAPLUS' ENTERED AT 10:46:07 ON 11 AUG 2005

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FILE COVERS 1907 - 11 Aug 2005 VOL 143 ISS 7

FILE LAST UPDATED: 10 Aug 2005 (20050810/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s us 2002-0034605/pn

L1 1 US 2002-0034605/PN

(US2002034605/PN)

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

2.34

2.61

FILE 'REGISTRY' ENTERED AT 10:46:37 ON 11 AUG 2005

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STRUCTURE FILE UPDATES: 10 AUG 2005 HIGHEST RN 859511-21-0

DICTIONARY FILE UPDATES: 10 AUG 2005 HIGHEST RN 859511-21-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when

conducting SmartSELECT searches.

```
*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
*****
```

Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

```
=> tra rn l1
L2      TRANSFER L1 1- RN :      10 TERMS
L3      10 L2
```

```
=> file caplus
COST IN U.S. DOLLARS                SINCE FILE      TOTAL
                                     ENTRY      SESSION
FULL ESTIMATED COST                0.43      14.42
```

FILE 'CAPLUS' ENTERED AT 10:47:09 ON 11 AUG 2005
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FILE COVERS 1907 - 11 Aug 2005 VOL 143 ISS 7
FILE LAST UPDATED: 10 Aug 2005 (20050810/ED)

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```
=> s l3
L4      313 L3
```

```
=> (optical or laser or information) and l4
(OPTICAL IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).
```

```
=> s (optical or laser or information) and l4
824629 OPTICAL
19 OPTICALS
824637 OPTICAL
(OPTICAL OR OPTICALS)
493529 LASER
154866 LASERS
506159 LASER
(LASER OR LASERS)
379219 INFORMATION
2908 INFORMATIONS
```

```

381555 INFORMATION
      (INFORMATION OR INFORMATIONS)
L5      220 (OPTICAL OR LASER OR INFORMATION) AND L4

=> s ((optical or laser or information) (5a) (med? or disk or disc)) and 14
      824629 OPTICAL
          19 OPTICALS
      824637 OPTICAL
          (OPTICAL OR OPTICALS)
      493529 LASER
      154866 LASERS
      506159 LASER
          (LASER OR LASERS)
      379219 INFORMATION
          2908 INFORMATIONS
      381555 INFORMATION
          (INFORMATION OR INFORMATIONS)
1796126 MED?
114263 DISK
56667 DISKS
143500 DISK
      (DISK OR DISKS)
14485 DISC
3178 DISCS
17182 DISC
      (DISC OR DISCS)
43006 (OPTICAL OR LASER OR INFORMATION) (5A) (MED? OR DISK OR DISC)
L6      105 ((OPTICAL OR LASER OR INFORMATION) (5A) (MED? OR DISK OR DISC))
      AND L4

```

```

=> file reg
COST IN U.S. DOLLARS                SINCE FILE      TOTAL
                                     ENTRY      SESSION
FULL ESTIMATED COST                18.36      32.78

```

FILE 'REGISTRY' ENTERED AT 10:49:01 ON 11 AUG 2005
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TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

```

*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
*****

```

Structure search iteration limits have been increased. See HELP SLIMITS
 for details.

Experimental and calculated property data are now available. For more
 information enter HELP PROP at an arrow prompt in the file or refer
 to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

```

=> s l4
L7      10 L3

```

=> d scan

L7 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 3H-Indolium, 1-butyl-2-[7-(1-butyl-1,3-dihydro-3,3-dimethyl-5-nitro-2H-indol-2-ylidene)-1,3,5-heptatrienyl]-3,3-dimethyl-5-nitro-, perchlorate (9CI)
MF C35 H43 N4 O4 . Cl O4
CM 1

/ Structure 1 in file .gra /

CM 2

/ Structure 2 in file .gra /

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L7 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 3H-Indolium, 2-[7-(1,3-dihydro-5-methoxy-3,3-dimethyl-1-propyl-2H-indol-2-ylidene)-1,3,5-heptatrienyl]-5-methoxy-3,3-dimethyl-1-propyl-, (OC-6-11)-hexafluoroantimonate(1-) (9CI)
MF C35 H45 N2 O2 . F6 Sb
CM 1

/ Structure 3 in file .gra /

CM 2

/ Structure 4 in file .gra /

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L7 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 3H-Indolium, 2-[2-[4-(dimethylamino)phenyl]ethenyl]-1-ethyl-3,3-dimethyl-, bis[4-(1,1-dimethylethyl)-1,2-benzenedithiolato(2-)-.kappa.S,.kappa.S']cuprate(1-) (9CI)
MF C22 H27 N2 . C20 H24 Cu S4
CM 1

/ Structure 5 in file .gra /

CM 2

/ Structure 6 in file .gra /

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L7 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 3H-Indolium, 2-[3-(1,3-dihydro-1,3,3-trimethyl-2H-indol-2-ylidene)-1-propenyl]-1,3,3-trimethyl-, tetrafluoroborate(1-) (9CI)
MF C25 H29 N2 . B F4
CM 1

/ Structure 7 in file .gra /

CM 2

/ Structure 8 in file .gra /

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L7 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 1H-Benz[e]indolium, 3-ethyl-2-[7-(3-ethyl-1,3-dihydro-1,1-dimethyl-2H-benz[e]indol-2-ylidene)-1,3,5-heptatrienyl]-1,1-dimethyl-,
hexafluorophosphate(1-) (9CI)
MF C39 H41 N2 . F6 P

CM 1

/ Structure 9 in file .gra /

CM 2

/ Structure 10 in file .gra /

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L7 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN Naphtho[2,1-d]thiazolium, 2-[2-[4-(dimethylamino)phenyl]ethenyl]-3-octyl-,
perchlorate (9CI)
MF C29 H35 N2 S . Cl O4

CM 1

/ Structure 11 in file .gra /

CM 2

/ Structure 12 in file .gra /

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L7 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN Benzoxazolium, 3-ethyl-2-[2-[(3-ethyl-5-phenyl-2(3H)-benzoxazolylidene)methyl]-1-butenyl]-5-phenyl-, nitrate (9CI)
MF C35 H33 N2 O2 . N O3

CM 1

/ Structure 13 in file .gra /

CM 2

/ Structure 14 in file .gra /

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L7 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN Nickel, bis[2-[(5-cyclopropyl-1,3,4-thiadiazol-2-yl)azo-.kappa.N1]-5-(diethylamino)phenolato-.kappa.O]- (9CI)
MF C30 H36 N10 Ni O2 S2
CI CCS

/ Structure 15 in file .gra /

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):s
'S' IS NOT VALID HERE

To display more answers, enter the number of answers you would like to see. To end the display, enter "NONE", "N", "0", or "END".

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L7 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN Benzothiazolium, 2-[2-[2-[bis(4-methoxyphenyl)amino]-3-[(3-ethyl-2(3H)-benzothiazolylidene)ethylidene]-1-cyclopenten-1-yl]ethenyl]-3-ethyl-, perchlorate (9CI)
MF C41 H40 N3 O2 S2 . Cl O4
CM 1

/ Structure 16 in file .gra /

CM 2

/ Structure 17 in file .gra /

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L7 10 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 1H-Benz[e]indolium, 2-[7-(1,3-dihydro-1,1,3-trimethyl-2H-benz[e]indol-2-ylidene)-1,3,5-heptatrienyl]-1,1,3-trimethyl-, perchlorate (9CI)
MF C37 H37 N2 . Cl O4
CI COM
CM 1

/ Structure 18 in file .gra /

CM 2

/ Structure 19 in file .gra /

ALL ANSWERS HAVE BEEN SCANNED

=> 1
1 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter "HELP COMMANDS" at an arrow prompt (=>).

=> d his

(FILE 'HOME' ENTERED AT 10:45:08 ON 11 AUG 2005)

FILE 'STNGUIDE' ENTERED AT 10:45:14 ON 11 AUG 2005

FILE 'CAPLUS' ENTERED AT 10:46:07 ON 11 AUG 2005

L1 1 S US 2002-0034605/PN

FILE 'REGISTRY' ENTERED AT 10:46:37 ON 11 AUG 2005

L2 FILE 'CAPLUS' ENTERED AT 10:46:46 ON 11 AUG 2005
TRA L1 1- RN : 10 TERMS

L3 FILE 'REGISTRY' ENTERED AT 10:46:46 ON 11 AUG 2005
10 SEA L2

L4 FILE 'CAPLUS' ENTERED AT 10:47:09 ON 11 AUG 2005
313 S L3
L5 220 S (OPTICAL OR LASER OR INFORMATION) AND L4
L6 105 S ((OPTICAL OR LASER OR INFORMATION) (5A) (MED? OR DISK OR DISC))

L7 FILE 'REGISTRY' ENTERED AT 10:49:01 ON 11 AUG 2005
10 S L4

=> s l7 and (nickel or propenyl or butenyl or dimethylamino)
320330 NICKEL
758738 PROPENYL
170774 BUTENYL
481111 DIMETHYLAMINO
L8 5 L7 AND (NICKEL OR PROPENYL OR BUTENYL OR DIMETHYLAMINO)

=> file caplus
COST IN U.S. DOLLARS
FULL ESTIMATED COST

	SINCE FILE ENTRY	TOTAL SESSION
	20.55	53.33

FILE 'CAPLUS' ENTERED AT 10:51:44 ON 11 AUG 2005
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FILE COVERS 1907 - 11 Aug 2005 VOL 143 ISS 7
FILE LAST UPDATED: 10 Aug 2005 (20050810/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l8
L9 50 L8

=> s ((optical or laser or information) (5a) (med? or disk or disc)) and l9
824629 OPTICAL
19 OPTICALS
824637 OPTICAL
(OPTICAL OR OPTICALS)
493529 LASER
154866 LASERS
506159 LASER
(LASER OR LASERS)
379219 INFORMATION
2908 INFORMATIONS
381555 INFORMATION
(INFORMATION OR INFORMATIONS)
1796126 MED?
114263 DISK

56667 DISKS
143500 DISK
*
(DISK OR DISKS)
14485 DISC
3178 DISCS
17182 DISC
(DISC OR DISCS)

L10 43006 (OPTICAL OR LASER OR INFORMATION) (5A) (MED? OR DISK OR DISC)
3 ((OPTICAL OR LASER OR INFORMATION) (5A) (MED? OR DISK OR DISC))
AND L9

=> d all 1-3

L10 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2003:85271 CAPLUS
DN 138:145136
ED Entered STN: 04 Feb 2003
TI ***Optical*** recording ***disk*** using two kinds of organic dyes
IN Suzuki, Yuki; Takeshima, Shuji
PA Mitsubishi Chemical Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 15 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
IC ICM B41M005-26
ICS G11B007-24
CC 74-12 (Radiation Chemistry, Photochemistry, and Photographic and Other
Reprographic Processes)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003034078	A2	20030204	JP 2001-222463	20010724
PRAI	JP 2001-222463		20010724		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 2003034078	ICM	B41M005-26
	ICS	G11B007-24

AB The disk, comprising pre-grooved substrate coated with a recording layer and a reflective layer and recorded by light with wavelength .ltoreq.700 nm, satisfies (1) the recording layer contains an org. dye A (max. absorption at 350-630 nm) and an org. dye B (max. absorption at 630-900 nm) at A : B = 99.9-95.0 : 0.1-5.0 (wt. ratio), and (2) the recording layer shows refractive index (n) 1.8-2.1 and distinction coeff. (k) 0-0.02 at 780 nm. The material is suited for high speed recording for DVD R.

ST ***optical*** ***disk*** org dyes refractive index; DVD R dye absorption wavelength

IT ***Optical*** ***disks***
(***optical*** recording ***disk*** using two kinds of org. dyes for high speed recording)

IT ***61575-72-2*** 494197-74-9 494197-75-0 494197-76-1 494197-77-2
494197-78-3 494197-79-4 494197-80-7 494197-81-8

RL: DEV (Device component use); USES (Uses)

(***optical*** recording ***disk*** using two kinds of org. dyes for high speed recording)

L10 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2002:193169 CAPLUS

DN 136:254596

ED Entered STN: 17 Mar 2002

TI ***Optical*** recording ***medium*** such as DVD-R containing organic dyes as light absorbing agent to form bits on substrate

IN Matsui, Fumio; Aisawa, Yasushi; Matsuura, Hiroshi

PA Hayashibara Biochemical Laboratories, Inc., Japan

SO Jpn. Kokai Tokkyo Koho, 20 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM G11B007-24

ICS G11B007-24; B41M005-26; C07D209-14; C07D209-60; C07D263-62;
C07D277-64; C07D277-84; C07D285-08; C07D285-135; C07D293-12;
C09B023-00; C09B045-00

Section cross-reference(s): 41

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002074740	A2	20020315	JP 2000-254767	20000825
	US 2002034605	A1	20020321	US 2001-928833	20010814
	EP 1191526	A2	20020327	EP 2001-307143	20010822
	EP 1191526	A3	20020417		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	EP 1369861	A2	20031210	EP 2003-77506	20010822
	EP 1369861	A3	20031217		
	R: DE, FR, GB, NL				
PRAI	JP 2000-254767	A	20000825		
	EP 2001-307143	A3	20010822		

CLASS

	PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
	JP 2002074740	ICM	G11B007-24
		ICS	G11B007-24; B41M005-26; C07D209-14; C07D209-60; C07D263-62; C07D277-64; C07D277-84; C07D285-08; C07D285-135; C07D293-12; C09B023-00; C09B045-00
	US 2002034605	NCL	428/064.400; 430/270.100; 369/274.000
		ECLA	C09B023/00D; C09B023/02; C09B023/14H; C09B045/34; G11B007/0045R; G11B007/244; G11B007/247; G11B007/249
	EP 1191526	ECLA	C09B023/00D; C09B023/02; C09B023/14H; C09B045/34; G11B007/0045R; G11B007/244; G11B007/247; G11B007/249
	EP 1369861	ECLA	G03G007/00B4B2; G11B007/0045R; G11B007/244; G11B007/247
AB	The title ***optical*** recording ***medium*** has recording layers contg. an org. dye on a substrate, wherein the wavelength of the max. light absorbtions of the dye is larger than the wavelength of recording light. The ***optical*** recording ***medium*** provides the low prodn. cost using the org. dyes.		
ST	optical recording DVD org dye light absorbing agent		
IT	Erasable ***optical*** ***disks***		
	Optical recording materials		
	(***optical*** recording ***medium*** such as DVD-R contg. org. dyes as light absorbing agent for forming bits on substrate)		
IT	Dyes		
	(org.; ***optical*** recording ***medium*** such as DVD-R contg. org. dyes as light absorbing agent for forming bits on substrate)		
IT	23178-67-8	***57866-24-7***	***61575-72-2*** 95472-93-8
	199665-48-0	403815-49-6	403815-51-0 403815-53-2
	403815-55-4	***403980-96-1***	
RL:	TEM (Technical or engineered material use); USES (Uses)		
	(org. dye in recording layers of ***optical*** recording ***medium***)		

L10 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1997:699085 CAPLUS

DN 128:41653

ED Entered STN: 06 Nov 1997

TI ***Optical*** recording ***medium*** containing azo metal chelate compound and its recording method

IN Okamoto, Yuko; Kurose, Hiroshi; Tsukahara, Takako; Maeda, Shuichi

PA Mitsubishi Chemical Industries Ltd., Japan; Mitsubishi Chemical Corp.

SO Jpn. Kokai Tokkyo Koho, 12 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM B41M005-26

ICS C09B045-14; G11B007-24; C07D231-38; C07D233-68; C07D233-90; C07D261-14; C07D263-28; C07D285-08; C07D285-135

CC 74-12 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09277703	A2	19971028	JP 1996-93851	19960416

JP 3641874 B2 20050427
PRAI JP 1996-93851 19960416

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 09277703	ICM	B41M005-26
	ICS	C09B045-14; G11B007-24; C07D231-38; C07D233-68; C07D233-90; C07D261-14; C07D263-28; C07D285-08; C07D285-135

OS MARPAT 128:41653

GI

/ Structure 20 in file .gra /

AB The ***medium***, in which ***information*** is writable and/or read-out by laser radiation, has a recording layer contg. a chelate compd. of a metal and an azo compd. I (A1 = at. group forming thiadiazole, isoxazole, oxazole, pyrazole, imidazole; B1 = arom. group residue; X = OY, CO2Y, SO3Y; Y = H, cation). A recorded part is formed by irradiating the ***medium*** with 600-700-nm ***laser***. The medium showed good light resistance and durability.

ST laser optical recording azo metal chelate; light resistance optical recording azo chelate

IT Azo compounds
RL: DEV (Device component use); USES (Uses)
(chelates; ***optical*** recording ***medium*** contg. azo metal chelate compd. recordable by laser radiation)

IT ***Optical*** recording materials
(***optical*** recording ***medium*** contg. azo metal chelate compd. recordable by laser radiation)

IT Chelates
RL: DEV (Device component use); USES (Uses)
(***optical*** recording ***medium*** contg. azo metal chelate compd. recordable by laser radiation)

IT 199665-44-6 199665-45-7 199665-46-8 199665-47-9 ***199665-48-0***
RL: DEV (Device component use); USES (Uses)
(***optical*** recording ***medium*** contg. azo metal chelate compd. recordable by laser radiation)

IT 198084-91-2P 199665-42-4P 199665-43-5P
RL: DEV (Device component use); PNU (Preparation, unclassified); PREP (Preparation); USES (Uses)
(***optical*** recording ***medium*** contg. azo metal chelate compd. recordable by laser radiation)

IT 91-68-9P, N,N-Diethyl-3-aminophenol 199665-49-1P 199665-50-4P
199665-51-5P 199665-53-7P 199665-54-8P
RL: PNU (Preparation, unclassified); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(***optical*** recording ***medium*** contg. azo metal chelate compd. recordable by laser radiation)

IT 99-64-9, N,N-Dimethyl-3-aminobenzoic acid 108-33-8 373-02-4, Nickel acetate 542-69-8, Butyl iodide 16617-46-2, 3-Amino-4-pyrazolecarbonitrile 40953-34-2, 2-Amino-4,5-dicyanoimidazole 199665-52-6, N,N-Dipropyl-3-aminophenylsulfonic acid
RL: RCT (Reactant); RACT (Reactant or reagent)
(***optical*** recording ***medium*** contg. azo metal chelate compd. recordable by laser radiation)

=> d his

(FILE 'HOME' ENTERED AT 10:45:08 ON 11 AUG 2005)

FILE 'STNGUIDE' ENTERED AT 10:45:14 ON 11 AUG 2005

FILE 'CAPLUS' ENTERED AT 10:46:07 ON 11 AUG 2005

L1 1 S US 2002-0034605/PN

FILE 'REGISTRY' ENTERED AT 10:46:37 ON 11 AUG 2005

FILE 'CAPLUS' ENTERED AT 10:46:46 ON 11 AUG 2005

L2 TRA L1 1- RN : 10 TERMS

FILE 'REGISTRY' ENTERED AT 10:46:46 ON 11 AUG 2005

L3 10 SEA L2

FILE 'CAPLUS' ENTERED AT 10:47:09 ON 11 AUG 2005

L4 313 S L3

L5 220 S (OPTICAL OR LASER OR INFORMATION) AND L4

L6 105 S ((OPTICAL OR LASER OR INFORMATION) (5A) (MED? OR DISK OR DISC))

FILE 'REGISTRY' ENTERED AT 10:49:01 ON 11 AUG 2005

L7 10 S L4

L8 5 S L7 AND (NICKEL OR PROPENYL OR BUTENYL OR DIMETHYLAMINO)

FILE 'CAPLUS' ENTERED AT 10:51:44 ON 11 AUG 2005

L9 50 S L8

L10 3 S ((OPTICAL OR LASER OR INFORMATION) (5A) (MED? OR DISK OR DISC))

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

20.70

74.03

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-2.19

-2.19

STN INTERNATIONAL LOGOFF AT 10:52:15 ON 11 AUG 2005